Setting up the server:

Managing volumes:

```
MINGW64:/C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes          ─  □  ✕

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker volume ls
DRIVER    VOLUME NAME

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker volume create myvolume
myvolume

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker volume rm myvolume
myvolume

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker volume ls
DRIVER    VOLUME NAME

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ 
```

Mounting volumes on containers:

```
micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker volume create httpd_htdocs
httpd_htdocs

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
b618e3e02f34d56f93b21c537da086c3ccef4e7e660aaf67b4b72512c40fbb2f

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker cp index.html apache:/usr/local/apache2/htdocs/

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker stop apache
apache

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
4e7013b20494c6e340f6b4274d70a9b00ca6202364b183924a158397714b65e4

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ 
```

Mounting host directories on containers:

```
micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker run --rm -d --name apache -p 80:80 -v /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes/:/us
r/local/apache2/htdocs/ httpd:2.4
cbceab0f1b4694c76cc4efd93ab918f7efc6d991522c37ce75bcedd5993986af
docker: Error response from daemon: OCI runtime create failed: invalid mount {Destination:\Program Files\Git\usr\local\apache2\htdocs\
 Type:bind Source:/run/desktop/mnt/host/c/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes/;C Options:[
rbind rprivate]}: mount destination \Program Files\Git\usr\local\apache2\htdocs\ not absolute: unknown.

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ docker run --rm -d --name apache -p 80:80 -v /C:/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes/:/u
sr/local/apache2/htdocs/ httpd:2.4
282ae07ef57e98233309b1e108fc7ba529b07c12cf24a66a80eea59de497c21a

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ curl localhost
<html><body><h1>It works so well in Docker omgggg!</h1></body></html>

micha@DESKTOP-MKIDJGL MINGW64 /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes (201804341_feature_ac
tivity05)
$ |
```

For some reason the path for the mount destination displayed errors so I changed the format of the paths to match the OS of where it was coming from (Windows path format) by adding a colon (:) after the C in /C/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes to make it /C:/Users/micha/OneDrive/Documents/GitHub/ME8_Containerization_and_Docker/5-volumes and it worked.